

Title (en)
Particle containing silatrane

Title (de)
Silatranhaltige Partikel

Title (fr)
Particule contenant du silatrane

Publication
EP 2206742 B1 20111019 (DE)

Application
EP 09179360 A 20091216

Priority
DE 102008054967 A 20081219

Abstract (en)
[origin: EP2206742A1] Silatrane containing particles (A) comprise at least a rubber and 55-99 wt.% of silatrane compound (I). Silatrane containing particles (A) comprise at least a rubber and 55-99 wt.% of silatrane compound of formula (I). R : aryl or aralkyl (both optionally substituted), H, cyclic 1-12C alkyl, or COOH; R1 : aliphatic/aromatic divalent 1-30C hydrocarbon; A : -SH, -NH 2, -SCN, -Cl, -H, -OR2, -NHR2, -NR2 2, -CH=CH 2, -S-C(O)-R2, -S-C(O)-N(R2) 2, -S-C(S)-N(R2) 2 or 2-S x-; R2 : aryl or aralkyl (both optionally substituted), H or cyclic 1-18C alkyl; a : 1 or 2; and x : average sulfur chain length of 1.1-5. Independent claims are included for: (1) producing (A) comprising mixing 55-99 wt.% of (I) and rubber, and subjecting the mixture to a shaping process; and (2) producing a rubber mixture comprising mixing at least a rubber, at least a filler and (A). [Image].

IPC 8 full level
C08L 7/00 (2006.01); **C07F 7/18** (2006.01)

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C08K 5/549 (2013.01)

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C08K 5/549 + C08L 21/00

Cited by
US9109103B2; US9688837B2; EP2987647A1; EP2875967A3; DE102015224436A1; WO2017097625A1; US10947380B2; US11208518B2

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